Office Memorandum • United States Government

то	:	Chief,	Communications Engin	neering Division	DATE:	SPN 6-528 23 March 1956
FROM	:	Chief,	Supplemental Program	ms Division, OC		
SUBJEC:	r:	्रम् स ्कार्टस्याः स्टब्स्ट्रस्य स्टब्स्ट्रस्य	Marine ELIST Collec	tion System - Project	t No. E	-5953
		1	. Initially the	Marine KLINT Col	lection	system was

considered as a device to Since the date of the initial requirement (20 October 1954), the ELINT community has changed both in personnel and concept. The present community is expressing more interest in, and considers the inclusion of CW collection capability an essential.

- Techniques of CW detection are well established by other crystal video systems. They usually consist of a theme and variation based on chopping the crystal bias current and measuring its increase over a static level. The intent is to retain amplitude fidelity (of the received signal) and a sensitivity at least equal, if not better than, the system's pulse sensitivity. It occurs that the association of oscilloscopes with each individual channel of the Philco system presents opportunities for operator recognition of a CW signal. Because this system is manually operated, the operator can be considered available to perform any duties requisite to the CW recognition problem.
- 3. You are requested to investigate the following and advise this Division at the earliest possible date:
 - 1) The practicability of CW detection capability in the present configuration.
 - 2) The contractual cost increase, if any.
 - 3) The delay which might be entailed by this additional requirement.
 - 4) The type of CW detection circuit and presentation considered by your project engineer and the contractor.

	Your	early	attention	to his	problem	is	requested
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